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AMENDMENTS TO THE CLAIMS

1. (canceled)
2. (previously presented) A color-filterless full color liquid-crystal display device, comprising:
 - a liquid-crystal shutter portion including a liquid crystal; and
 - a backlight portion including light source units and a planar light guide,
 - wherein said light source units comprise at least one red light-emitting device (LED), at least one green LED, and at least one blue LED,
 - wherein a first number corresponding to said at least one blue LED is not smaller than a second number corresponding to said at least one red LED, and the first number corresponding to said at least one blue LED is not smaller than a third number corresponding to said at least one green LED,
 - wherein said light source units are disposed on an edge of said planar light guide, and
 - wherein the number of said blue LEDs is not smaller than the number of said red LEDs and the number of said blue LEDs is larger than the number of said green LEDs.
3. (previously presented) A color-filterless full color liquid-crystal display device, comprising:
 - a liquid-crystal shutter portion including a liquid crystal; and
 - a backlight portion including light source units and a planar light guide,
 - wherein said light source units comprise at least one red light-emitting device (LED), at least one green LED, and at least one blue LED,
 - wherein a first number corresponding to said at least one blue LED is not smaller than a second number corresponding to said at least one red LED, and the first number corresponding to said at least one blue LED is not smaller than a third number corresponding to said at least one green LED,
 - wherein said light source units are disposed on an edge of said planar light

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guide, and

wherein two red LEDs, one green LED and two blue LEDs are mounted on a substrate.

4-7. (canceled)

8. (previously presented) A color-filterless full color liquid-crystal display device, comprising:

a liquid-crystal shutter portion including a liquid crystal; and

a backlight portion including light source units and a planar light guide,

wherein said light source units comprise at least one red light-emitting device (LED), at least one green LED, and at least one blue LED,

wherein a first number corresponding to said at least one green LED is not larger than a second number corresponding to said at least one red LED and the first number corresponding to said at least one green LED is not larger than or equal to a third number corresponding to said at least one blue LED,

wherein said light source units are disposed on an edge of said planar light guide, and

wherein two red LEDs, one green LED and two blue LEDs are mounted on a substrate.

9. (previously presented) A liquid-crystal display device according to Claim 8, wherein said backlight portion includes a planar light guide laminated on said liquid-crystal shutter portion so that said at least one red LED, said at least one green LED, and said at least one blue LED are disposed to face a side of said planar light guide.

10. (previously presented) A liquid-crystal display device according to Claim 8, wherein a reflection layer is formed on a surface of said planar light guide.

11. (previously presented) A liquid-crystal display device according to Claim 8, wherein

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said backlight portion includes a light emission controller for controlling light emission of each of said at least one red LED, said at least one green LED, and said at least one blue LED, said light emission controller applying a current to said each of said at least one red LED, said at least one green LED, and said at least one blue LED to thereby obtain a maximum light-emitting efficiency of said each of said at least one red LED, said at least one green LED, and said at least one blue LED.

12. (previously presented) A liquid-crystal display device according to Claim 8, wherein light is selectively emitted from each of said at least one red LED, said at least one green LED, and said at least one blue LED in synchronization with an ON/OFF of a corresponding one of a plurality of pixels in said liquid-crystal shutter portion.

13. (currently amended) A color-filterless full color liquid-crystal display device, comprising:

a liquid-crystal shutter portion including a twisted nematic (TN) liquid crystal; and
a backlight portion including light source units and a planar lightguide,

wherein said light source units comprise at least one red light-emitting device (LED), at least one green LED, and at least one blue LED,

wherein a first number ~~corresponding~~ corresponds to said at least one blue LED ~~is not smaller than~~, a second number ~~corresponding~~ corresponds to said at least one red LED, and ~~the first number corresponding to said at least one blue LED is not smaller than~~ a third number ~~corresponding~~ corresponds to said at least one green LED, and said second number is larger than at least one of said first number and said third number, and

wherein said light source units are disposed on an edge of said planar light guide.

14. (currently amended) A color-filterless full color liquid-crystal display device, comprising:

a liquid-crystal shutter portion including a super twisted nematic (STN) liquid crystal;
and

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a backlight portion including light source units and a planar lightguide,
wherein said light source units comprise at least one red light-emitting device (LED), at least one green LED, and at least one blue LED,

wherein a first number corresponding to said at least one blue LED is not smaller than a second number corresponding to said at least one red LED, and the first number corresponding to said at least one blue LED is ~~not smaller~~ larger than a third number corresponding to said at least one green LED, and

wherein said light source units are disposed on an edge of said planar light guide.

15. (previously presented) A liquid-crystal display according to Claim 8, wherein said liquid crystal comprises a TN liquid crystal.

16. (previously presented) A liquid-crystal display according to Claim 8, wherein said liquid crystal comprises an STN liquid crystal.

17. (previously presented) A color-filterless full color liquid-crystal display device, comprising:

a liquid-crystal shutter portion including a liquid crystal; and

a backlight portion including light source units and a light guide,

wherein said light source units comprise at least one red light-emitting device (LED), at least one green LED, and at least one blue LED,

wherein a first number corresponding to said at least one blue LED is not smaller than a second number corresponding to said at least one red LED, and the first number corresponding to said at least one blue LED larger than a third number corresponding to said at least one green LED, and

wherein said light source units are disposed on an edge of said light guide.

18. (previously presented) A liquid-crystal display device according to Claim 17, wherein said liquid crystal comprises a twisted nematic (TN) liquid crystal.

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19. (previously presented) A liquid-crystal display device according to Claim 17, wherein said liquid crystal comprises a super twisted nematic (STN) liquid crystal.
20. (canceled)
21. (previously presented) The color-filterless full color liquid-crystal display device according to Claim 17, wherein said light guide comprises a planar light guide.
22. (previously presented) A color-filterless full color liquid-crystal display device, comprising:
 - a liquid-crystal shutter portion including a liquid crystal; and
 - a backlight portion including light source units and a light guide,
 - wherein said light source units comprise at least one red LED, at least one green LED, and at least one blue LED,
 - wherein a first number corresponding to said at least one green LED is not larger than a second number corresponding to said at least one red LED and the first number corresponding to said at least one green LED is not larger than or equal to a third number corresponding to said at least one blue LED, and
 - wherein said light source units are disposed on an edge of said light guide.
23. (previously presented) A liquid-crystal display device according to Claim 22, wherein said liquid crystal comprises a twisted nematic (TN) liquid crystal.
24. (previously presented) A liquid-crystal display device according to Claim 22, wherein said liquid crystal comprises a super twisted nematic (STN) liquid crystal.
25. (canceled)
26. (previously presented) The color-filterless full color liquid-crystal display device according to Claim 22, wherein said light guide comprises a planar light guide.

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27. (previously presented) A liquid-crystal display device according to Claim 2, wherein said backlight portion includes a planar light guide laminated on said liquid-crystal shutter portion so that said at least one red LED, said at least one green LED, and said at least one blue LED are disposed to face a side of said planar light guide.
28. (previously presented) A liquid-crystal display device according to Claim 27, wherein a reflection layer is formed on a surface of said planar light guide.
29. (previously presented) A liquid-crystal display device according to Claim 2, wherein said backlight portion includes a light emission controller for controlling light emission of each of said at least one red LED, said at least one green LED, and said at least one blue LED, said light emission controller applying a current to said each of said at least one red LED, said at least one green LED, and said at least one blue LED to thereby obtain a maximum light-emitting efficiency of said each of said at least one red LED, said at least one green LED, and said at least one blue LED.
30. (previously presented) A liquid-crystal display device according to Claim 2, wherein light is selectively emitted from each of said at least one red LED, said at least one green LED, and said at least one blue LED in synchronization with an ON/OFF of a corresponding one of a plurality of pixels in said liquid-crystal shutter portion.
31. (previously presented) A liquid-crystal display device according to Claim 3, wherein said backlight portion includes a planar light guide laminated on said liquid-crystal shutter portion so that said at least one red LED, said at least one green LED, and said at least one blue LED are disposed to face a side of said planar light guide.
32. (previously presented) A liquid-crystal display device according to Claim 31, wherein a reflection layer is formed on a surface of said planar light guide.
33. (previously presented) A liquid-crystal display device according to Claim 3, wherein

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said backlight portion includes a light emission controller for controlling light emission of each of said at least one red LED, said at least one green LED, and said at least one blue LED, said light emission controller applying a current to said each of said at least one red LED, said at least one green LED, and said at least one blue LED to thereby obtain a maximum light-emitting efficiency of said each of said at least one red LED, said at least one green LED, and said at least one blue LED.

34. (previously presented) A liquid-crystal display device according to Claim 3, wherein light is selectively emitted from each of said at least one red LED, said at least one green LED, and said at least one blue LED in synchronization with an ON/OFF of a corresponding one of a plurality of pixels in said liquid-crystal shutter portion.